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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	107/66,224
Filing Date	28 January 2004
First Named Inventor	C. Brent Dane
Group Art Unit	2872-3663
Examiner Name	Unknown - DIACOU, Ari M.
Attorney Docket Number	MICI 1004-2

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
<i>AM</i>	A1	3,724,930		Farmer	04-03-1973	
<i>AM</i>	A2	4,174,154		Kawasaki	11-13-1979	
<i>AM</i>	A3	4,191,928		Emmett	03-04-1980	
<i>AM</i>	A4	4,401,477		Clauer et al.	08-30-1983	
<i>AM</i>	A5	4,539,462		Plankenhorn	09-03-1985	
<i>AM</i>	A6	4,623,229		Galan	11-18-1986	
<i>AM</i>	A7	4,698,479		Rando et al.	10-06-1987	
<i>AM</i>	A8	4,794,222		Funayama et al	12-27-1988	
<i>AM</i>	A9	4,937,421		Ortiz, Jr., et al.	06-26-1990	
<i>AM</i>	A10	5,075,893		Epstein et al.	12-24-1991	
<i>AM</i>	A11	5,118,918		Serrano	06-02-1992	
<i>AM</i>	A12	5,127,019		Epstein et al.	06-30-1992	
<i>AM</i>	A13	5,131,957		Epstein et al.	07-21-1992	
<i>AM</i>	A14	5,132,887		Torii et al.	07-21-1992	
<i>AM</i>	A15	5,142,118		Schlatter	08-25-1992	
<i>AM</i>	A16	5,332,881		Topkaya et al.	07-26-1994	
<i>AM</i>	A17	5,449,879		Lawson et al.	09-12-1995	
<i>AM</i>	A18	5,525,429		Mannava et al.	06-11-1996	
<i>AM</i>	A19	5,569,018		Mannava et al.	10-29-1996	
<i>AM</i>	A20	5,571,575		Takayanagi	11-05-1996	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ts
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
<i>AM</i>	B1		JP7246483		Toshiba Corp.	09-26-1995		
	B2							
	B3							
	B4							
	B5							
	B6							
	B7							
	B8							
	B9							
	B10							

Examiner Signature

Ari M. Diacou

Date

Considered

12-19-2005

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	3
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Complete if Known

Application Number	10/766,224
Filing Date	28 January 2004
First Named Inventor	C. Brent Dane
Group Art Unit	2872- 3663
Examiner Name	Unknown- DIACOU, ART M.
Attorney Docket Number	MICI 1004-2

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	To
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
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17-19-2005

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 3

Complete If Known

Application Number	10/766,224
Filing Date	28 January 2004
First Named Inventor	C. Brent Danc
Group Art Unit	2872
Examiner Name	Unknown <i>DIACOU, ART M.</i>
Attorney Docket Number	MICI 1004-2

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
<i>Ans</i>	C1	AUERBACH, J.M., et al., "Diode-pumped monolithic Nd:YLF 1.053 μ m mini-laser and its application to injection seeding," Solid State Lasers SPIE 1223 (1990) 133-141.	
<i>Ans</i>	C2	DANE, C.B., et al., "Solid State Laser for X-Ray Lithography," Winter Colloquium on Quantum Electronics, Snowbird, UT (06 January 1991) 11 pages.	
<i>Ans</i>	C3	HANNA, D.C., et al., "Single longitudinal mode selection of high power actively Q-switched lasers," Opto-Electronics 4 (1972), 249-256.	
<i>Ans</i>	C4	PARK, Y.K., et al., "Single Axial Mode Operation of a Q-Switched Nd:YAG Oscillator by Injection Seeding," IEEE Journal of Quantum Electronics 20(2) (February 1984), 117-125.	
<i>Ans</i>	C5	PARK, Y.K., et al., "Electronic Linewidth Narrowing Method for Single Axial Mode Operation of Q-Switched Nd:YAG Lasers," Optics Communications 37(6) (15 June 1981), 411-416.	

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/766,224
Filing Date	28 January 2004
First Named Inventor	C. Brent Dane
Art Unit	Unassigned 3663
Examiner Name	Unassigned DIACOU, HARM
Attorney Docket Number	MICI 1004-2

Sheet	1	of	1
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Date Considered

17-19-2005

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete If Known		
Application Number					
Filing Date	28 January 2004 (herewith)				
First Named Inventor	C. Brent Dane et al.				
Group Art Unit	3663				
Examiner Name	DIACOU, ART M.				
Attorney Docket Number	MICI 1004-2				
Sheet	1	of	2		

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AM	A1	5,022,033		Hackell	06-04-1991	
AM	A2	5,239,408		Hackel et al.	08-24-1993	
AM	A3	5,689,363		Dane et al.	11-18-1997	
AM	A4	6,198,069		Hackel et al.	03-06-2001	
	A5					
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	A7					
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
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Examiner Signature	Date Considered 12-19-2005
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete If Known	
	Application Number	10/766224		
	Filing Date	28 January 2004 (herewith)		
	First Named Inventor	C. Brent Dane et al.		
	Group Art Unit	3663		
	Examiner Name	DIACOU, ARI M.		
Sheet	2	of	2	Attorney Docket Number
				MICI 1004-2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AM	C1	FAIRAND, B.P. et al., "Laser shock-induced microstructural and mechanical property changes in 7075 aluminum," J. Appl. Phys. 43(9) (Sept 1972) 3893-3895.	
AM	C2	3M Fluorinert Liquids Product Information, 4 pages	
AM	C3	CROFTS, G.J., et al., "Experimental and theoretical investigation of two-cell stimulated-Brillouin-scattering systems," J. Opt. Soc. Am. B 8(11) (Nov 1991) 2282-2288.	
AM	C4	DANE, C.B. et al., "Design and Operation of a 150 W Near Diffraction-Limited Laser Amplifier with SBS Wavefront Correction," IEEE Journal of Quantum Electronics 31(1) (Jan 1995) 148-162.	

Examiner Signature		Date Considered	12-19-2005
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